

Aruba Esso News

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Will Hire Area Workers

Badger Begins Distillate Upgrading Facilities Work

In order to meet growing market requirements for improved product quality, Lago plans to increase its distillate upgrading facilities 20,000 barrels per day. It will do so by constructing an addition to the present Edeleanu Plant which will improve the quality of kerosene and automotive diesel fuel and reduce the sulphur content of these products.

The cost of the facilities together with necessary offsite work will be approximately Fls. 8,000,000.

The construction and engineering contract for the proposed equipment which will be located immediately west of the Edeleanu Plant, has been awarded to the Badger Manufacturing Co. of Boston, Mass. A number of expatriate construction supervisors and engineers of the Badger concern have already arrived and

work has begun. To be run in conjunction with the present Edeleanu operations, its location is presently being filled and graded by Lago forces.

A total Badger force of approximately 12 is expected and will be directed by W. R. Miller, superintendent in charge. To this expatriate force, Badger is expected to hire about 125 men for its peak construction period which it anticipates reaching sometime during the summer months. Immediate hiring is expected to start within a few weeks.

Completion date has been set tentatively for Dec. 15.

Two Retirements Are Announced

Cornelis Geerman, a dockman in Receiving and Shipping and Cleto Croes, a boilermaker helper A in the Boiler Craft, are retiring. Mr. Geerman ended his company service March 1 with more than 21 years of service; Mr. Croes April 1 with more than 23 years of service.

Both men are Arubans and do not plan to leave the island.

Mr. Geerman was first employed in 1931 in Process - Cracking. By 1939 he had been promoted to still cleaner A when he transferred to Receiving and Shipping as a wharfinger.

First employed in 1932 in the Yard Craft, Mr. Croes transferred to Utilities that year and in 1933 returned to the Yard Craft. In 1935 he transferred to the Boiler Craft and through successive promotions attained the rank at which he will retire.

Life Insurance Still Available Without Exam

Staff and Regular employees who have not enrolled in the Group Life Insurance Plan will have the month of March to do so without a physical examination, the Special Problems Advisory Committee announced this week.

After March 31, the committee which is sponsoring the plan said, employees signing for insurance will be required to sign a statement saying they have undergone no serious accident or illness since March 31.

Four insurance plan enrollment points are now available - the Lago Thrift Foundation clerk in the Employment Annex at the Main Gate; the SPAC headquarters; Room 105 in the Industrial Relations Building or the Bob Steele Insurance Agency in San Nicolas.

As of March 1, a total of 2050 of 5739 eligible employees had enrolled in the plan. Premium payments, which started March 1, were waived for those enrolling before that date.

The widow of one enrolled employee - who had not paid a premium - received Fls. 8500 in benefits when the employee died last month.

Seven Employees Receive Watches

Gold watches representing 25 years of service were presented Wednesday to seven Lago employees. The total number of watches awarded to date is 367.

C. F. Smith, superintendent of staff and service departments, presented the watches to:

J. J. Solano, J. C. Thijzen, F. Koolman, A. B. Helliger and N. de Kort of the Mechanical Department; E. Arends of the Process Department and F. C. Lynch of the Accounting Department.

"Mammoth" Tankers To Cause Expansion Of Harbor Project

Dredging Program Is Found Inadequate As New Shipbuilding Plans Are Disclosed

Shipbuilding plans recently announced by Standard Oil Co. (N.J.) affiliates and other companies whose tankers call at Lago have caused an extension of current dredging plans in San Nicolas Harbor before the project has been completed.

Revision of the original program less than 18 months after it was drafted points up the increasing emphasis on "mammoth" tanker construction.

When the dredging program was first announced in September of 1954 it included - among other things - enlarging the south basins of the Nos. 1 and 2 Finger Piers.

At that time it was felt that simultaneous accommodations for two of the larger tankers then under construction or planned would be adequate.

More recently, however, these forecasts have been changed. Creole Petroleum Corp. has announced it intends to have two 32,000-deadweight-ton tankers on the Aruba - Lake Maracaibo run. Creole added it may also build one or two more vessels of the same tonnage.

Completion of a breakwater and channel now under construction will open up Lake Maracaibo to these larger vessels.

Panama Transport Co., which operates a number of ships that call regularly at Lago, said it plans to construct 10 tankers of the 35,500-deadweight-ton class for use in the Western Hemisphere trade. Some other companies whose tankers call here have announced plans to build similar and larger ships.

In all, Jersey Standard affiliates

have 36 tankers under construction today. One will be 26,225 deadweight tons; two will be 26,650 tons; one will be 32,000 tons; two will be 35,420 tons; 12 will be 35,500 tons; 17 will be 36,040 tons and one will be 37,400 tons.

In the light of these developments Lago reviewed its dredging plans and decided they were not adequate. An appropriation was secured to expand the plans.

The funds will be used to cut back the shoreline and deepen the north basins of the No. 1 and 2 Finger Piers to provide simultaneous accommodations for four of the larger tankers.

By lengthening the basins, the existing hose-handling structures will be able to serve the "mammoth" tankers which are generally close to 700 feet in length. By deepening the basins the finger piers will be able to serve these ships whose loaded draft approximates 38 feet.

The finger piers were originally designed to handle the smaller, shallower-draft T-2 and Supertanker vessels.

The entire dredging program will give the main operating areas of the harbor a swept depth of 40 feet with 35 feet of water in the basins of the new East Pier.

The East Pier, formerly known as the Crude Pier, replaced the Lake Tanker Docks when the Lake Fleet was taken out of service. Eventually the Reef Docks will also be dismantled to provide more maneuvering room for the larger tankers.

Lago first opened San Nicolas Harbor to major ships by blasting out the East Entrance in 1927 and further improved the port by cutting the West Entrance in 1937. Prior to 1927 the harbor had been closed to these ships which could thread the tortuous entrance through a coral reef.

company the next day by Capt. J. Boje who was in command during the seven-day trip from Port Arthur. "This was a far-different voyage from the last one," Capt. Boje - who also brought the "Esso Oranjestad" to Aruba last February - remarked. The "Oranjestad," with a self-propelled barge in tow, hit such bad weather that Capt. Boje, with 34 years at sea, was sea-sick for the first time.

"They're both wonderful ships, though," the captain said. "I'd take the 'Queen Mary' across the Atlantic with either one of them." Shortly after the turn-over ceremonies he flew back to the United States to deliver two more tugboats to Standard Oil Co. (N.J.) affiliates.

The "San Nicolas" and "Oranjestad" were purchased to help handle Supertanker and similar class ships now calling at Aruba and even larger vessels expected when the harbor, now being dredged to a swept depth of 40 feet, is ready to receive them.

'Shot' Suspension Lifted March 1

Lago's Medical Department announced last week it has resumed inoculations, vaccinations and tonsilectomies which were suspended in January after cases of poliomyelitis appear in Aruba.

Dr. R. C. Carrell, medical director, said the suspension was lifted March 1 at the direction of Dr. O. A. Bijl, acting Aruba public health commissioner, who reported no new cases of poliomyelitis in Aruba during February.

Dr. Carrell reissued a reminder to Lago parents to guard their children against whooping cough, tetanus, diphtheria and typhoid fever through immunization injections.

Sister-Ship To "Esso Oranjestad"

New Tug Joins Lago Harbor Craft

A spanking new, 1600-horsepower tugboat has been added to Lago's harbor fleet. She is the "Esso San Nicolas," sister-ship to the "Esso Oranjestad" which Lago put into service just one year ago.

The two tugs, more powerful than those used here-to-fore in San Nicolas Harbor, were purchased to keep

pace with existing and anticipated demands on the harbor.

Like her sister-ship, the "Esso San Nicolas" was built in Port Arthur, Texas, by the Gulfport Shipbuilding Corp. She is 105 feet long with a 27-foot beam and a draft of 12' 8 1/2". The tug is powered by a 16-cylinder diesel-electric plant.

Equipped with controls fore and aft, the "San Nicolas" can turn in her own length - a feature necessary for tugs operating in San Nicolas Harbor. Other equipment includes an independently-powered fire fighting unit capable of pumping 1600 gallons of water or 8300 gallons of foam a minute.

The tug also has a small machine shop for minor repairs and arrived with extra major parts such as a propeller and a propeller shaft.

The "San Nicolas" arrived off San Nicolas Harbor the afternoon of Feb. 17 and was escorted to the Launch Dock by other Lago tugs. It was officially turned over to the



ESCORTED by the "Colorado Point," the new tug "Esso San Nicolas" moves up San Nicolas Harbor after a seven-day voyage from Texas.

ESCORTA door di "Colorado Point," e "Esso San Nicolas" ta avanzando den haaf di San Nicolas despues di un viaje di siete dia for di Texas.



OUTSIDE the bridge, Capt. J. Boje waves to an informal reception committee as the "Esso San Nicolas" draws up to the Launch Dock. PAFOR di brug Capt. J. Boje ta zwaai man pa un comité di recepcion informal mientras "Esso San Nicolas" ta acercando Launch Dock.



GENERAL Manager F. E. Griffin accepts tug from Capt. J. Boje. GERENTE General F. E. Griffin ta acepta remolador for di Capt. J. Boje.

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LCAC Adopts Primary, Final Type Election

The Lago Commissary Advisory Committee's forthcoming election will follow the pattern set by the LEC and SPAC; it will be a primary and final type election. In adopting this election pattern, the committee set its primary election dates for April 11, 12 and 13 to be followed one week later, April 18, 19 and 20, by the final election.

The Nominating Committee has been done away for all Lago representative elections. In its place is the entire constituent body. The constituents are the sole selectors of the men to appear on the ballots.

All candidates striving for the primary election must submit petitions bearing 100 signatures of eligible voters. For the LCAC election, these petitions may be obtained at Room 211, BQ 1 of the Industrial Relations Department. Bearing 100 signatures in the candidates own nationality group, the petitions must be returned before 4 p.m. March 20 to bear consideration. Petitions will be available March 13.

Open on the LCAC are three positions; two national and one non-national. The national seats open are those of A. Kelly of Cracking and C. Z. de Cuba of the Training Division. E. R. Tullock of the Storehouse holds the national position filling the unexpired term of A. A. Kalloo of Accounting.

Making up the election board are Mr. Kalloo, S. Blaize, E. Erasmus, M. E. Donata of Catalytic and Light Ends, J. Briezen and F. H. Ritveld of Cracking, M. Arends of Mechanical - Electrical and Miss P. Hiemeke of Mechanical Administration.

Dos Ehecutivo Na EE. UU.

Calculacionnan electronico di problemanan matematico ta hungando cada dia un papel mas importante den operacionnan di Lago. Como resultado, dos ehecutivo di compania ta actualmente na Estados Unidos pa entrenamento.

Chief Chemical Engineer C. R. Greene y Executive Assistant T. F. Hagerty a sali for di Aruba Maart 2 pa Estados Unidos pa atende un curso di un siman di International Business Machine Corporation den Electronic Data Processing for Executives.



PROF. C. A. Hanson (above) of Cornell University has begun a six-month survey of Lago's employee representation system under the Standard Oil Co. (N.J.) industry-education cooperation program. His survey will include interviews with employees throughout the refinery.

PROF. C. A. Hanson (p'ariba) di Cornell University a cuminsa un studia di e sistema di representacion pa empleadonan di Lago bao e programa cooperativa di Standard Oil Co. (N.J.) di educacion pa industria. Su studia lo inclui entrevistanan cu empleadonan di e refinaria.

Aseguro di Bida Disponible Ainda Sin Examinacion

Empleadonan staff y regular cu no a bira miembro ainda di e plan di aseguro di bida en grupo tin luna di Maart pa haci asina sin mester di pasa un examen fisico, asina Special Problems Advisory Committee a anuncia e siman aki.

Despues di Maart 31, asina e comite cu ta auspacia e plan e declara, empleadonan cu ta bira miembro di e aseguro lo worde requeri pa firma un declaracion bisando cu nan no a sostene un desgracia of maleza serio desde Maart 31.

Tin cuatro lugar unda empleadonan por firma den e plan - e klerk di Lago Thrift Foundation na Employment Annex na Porta Mayor; oficina di SPAC; Oficina 105 na Industrial Relations Department of cerca Bob Steele Insurance Agency na San Nicolas.

Cu entrada di Maart 1, un total di 2059 di 5739 empleado eligibile a bira miembro di e plan. E pagonan di premio, cual a cuminsa Maart 1, no a worde cobra pa esnan cu a drenta promer cu e fecha ey.

E beneficiario di un empleado cu a drenta - kende no a paga premio ainda - a recibi Fls. 8500 na beneficio ora e empleado a muri luna pasá.

Employee's Son Dies In Blast

An explosion of unknown origin destroyed an outside lavatory near the San Nicolas home of a Lago employee the night of Feb. 27 and killed his son.

Jeffery Williams, 2, son of Wilfred Williams, died instantly, police said. Mr. Williams, a trailer dispatcher in the Central Tool Room, suffered a broken hand. His wife and daughter were also injured.

San Nicolas police, who asked Lago safety forces to test the area for the cause of the blast, said no combustible gases were found in the immediate or surrounding area following the explosion. A follow-up check the next day also failed to disclose the presence of any gas, police said. The investigation is still underway.

The body of the boy was found four to six feet from the location of the demolished lavatory. When the explosion occurred Mr. Williams was about the same distance away, but not in line with the blast. His wife and daughter were saved from more serious injury by the wall of their home.

Leanord S. Alexander

Leanord S. Alexander, 57, died Feb. 25 at the Lago Hospital. He was born in St. Vincent and had more than 26 years of Lago service. A machinist B in the Mechanical Department, he is survived by a wife and daughter.

Leanord S. Alexander, 57, a muri Feb. 25 na Lago Hospital. El a nace na St. Vincent y tabatin mas cu 26 anja di servicio cu Lago. El tabata un machinist B den Mechanical Department y ta laga atras su esposa y yiu muher.

Yin di Empleado A Muri Den Explosion

Un explosion di origen desconoci a destrui un excusado pafu canto di cas na San Nicolas di un empleado di Lago Feb. 27 anochi y a mata su yiu.

Jeffrey Williams, 2, yin di Wilfred Williams, a muri al instante, poliznan a bisa. Sr. Williams, un trailer dispatcher na Central Tool Room, a sufrí un biza kibra. Su esposa y yiu muher tambe a haya golpe.

Curpa di e mucha a worde haya cuatro te seis pia for di e porta di e excusado di cual e dak a worde bulá. Ora e explosion a socede Sr. Williams tabata mas of menos na e mes un distancia pero no den linja di e explosion. Su esposa y yiu muher a worde salvá di desgracia mas serio door di muraya di nan cas.

Poliznan di San Nicolas kende a pidi e hendenan di seguridad di Lago pa test e sitio pa e causa di e explosion, a bisa cu ningun sorto di gas combustible a worde haya den e area. Un otro check su amanecer tambe no a indica presencia di gas, poliznan a bisa. E investigacion ta sigui.

Badger ta Cuminza Projecto pa Mehora Calidad di Distilado

Pa encontra demandanan creciente di mercado pa mehor calidad di producto, Lago tin intencion pa aumenta su facilidadnan di mehora calidad di destilado cu 20,000 MBD. E ta haci asina door di laga traha un adiccion na e actual Edeleanu Plant cual lo mehora calidad di kerosin y diesel pa motor y a la vez reduci e contenido di sulfur di e productonan aki.

E costo di e facilidadnan hunto cu trabao necesario pa drecha e sitio ta mas of menos Fls. 8,000,000.

E contract pa construccion y ingenieria di e proyecto cual lo bini inmediatamente pabao di Edeleanu Plant a worde encargá na Badger Manufacturing Co. di Boston, Mass. Algun supervisor y ingeniero di construccion di compania Badger ya a yega y trabao a cuminsa. E sitio di trabao, cual ta tuma lugar hunto cu e operacionnan actual di Edeleanu, lo ta e area pabao di Edeleanu Plant cu awor ta worde yená y igualá door di trahadornan di Lago.

Un grupo di mas of menos 12 hende di Badger ta worde sperá bao direccion di W. R. Miller, superintendente encargado. Ademá di e grupo aki, Badger probablemente lo emplea mas of menos 125 homber pa e periodo durante cual construccion lo ta na su altura. Esaki lo ta mas of menos durante lunanan di verano. Empleamento ta bai cuminsa dentro di algun siman.

E fecha provisional di completacion a worde estableci ariba Dec. 15.



SHARING congratulations above are the 1955 Class I Coin Your Idea Capital Award winners (left to right) A. A. G. Slater, J. E. Peterson, F. Mingo and C. A. Gumbs. At right H. B. Gregersen, CYI secretary, congratulates Mr. Peterson on his second Capital Award. Also in the picture are R. C. Baum, A. G. Kossuth, K. E. Springer and F. E. Griffin.



LT. GOV. L. C. Kwartsz is shown laying the cornerstone last month for the new Protestant Christian School at Mon Plaisir. GEZAGHEBBER L. C. Kwartsz ta munstrá aki poniendo e promer piedra pa e school Protestant nobo na Mon Plaisir.

"San Nicolas" Agregá na Flota di Compania den Haaf

Un remolcador nobo-nobo di 1600 forza di cabai a worde agregá na Lago su flota di den haaf. Esaki ta "Esso San Nicolas," hermana di "Esso Oranjestad" cual Lago a pone na servicio net un anja pasá.

E dos remolcadornan, mas potente cu esnan usá te awor den haaf di San Nicolas, a worde cumprá pa tene paso cu e necesidadnan di haaf al presente y en futuro.

Mescos cu su hermana, "Esso San Nicolas" a worde trahá na Port Arthur, Texas, door di Gulfport Shipbuilding Corp. E ta 105 pia largo, 27 pia hanchu y ta manda 12 pia, 8-3/4 duim di awa. E remolcador ta obtene su energia for di un planta diesel-electrico di 16 cilindro.

Equipá cu timon adlanti y atras, "Esso San Nicolas" por bira den su mes largura - un aspecto necesario pa remolcadornan operando den haaf di San Nicolas. Otro equipo abordo ta inclui un unidad di paga candelá cu por pomp 1600 galon di awa of 8300 galon di foamite pa minute.

E remolcador tin tambe un mashin shop chikito pa reparacion menor y a yega cu piezanan importante extra manera un chapaleta y shaft.

E remolcador a yega dilanti haaf di San Nicolas Feb. 17 tramerdia y a worde escortá pa Launch Dock door di otro remolcadornan di Lago. Oficialmente el a worde entregá na compania e siguiente dia door di Capt. J. Boje kende tabata na mando durante e viaje di siete dia for di Port Arthur.

"Esaki tabata un viaje hopi diferente for di e ultimo," asina Capt. Boje kende a trece "Esso Oranjestad," un laneha cu su mes chapaleta den touw, a encontra asina mal tempo cu Capt. Boje, cu 34 anja na llamar - a maria pa di promer vez.

"Tur dos ta bon baco, toch," e captan a bisa. "Mi ta touw 'Queen Mary' atravez di Atlantico cu emalier di nan." Poco despues di e ce-

remonianan di entregamento el a bula pa Estados Unidos pa entrega dos otro remolcador na afiliadonan di Standard Oil Co. (N.J.).

"Esso San Nicolas" y "Esso Oranjestad" a worde cumprá pa yuda dirigi supertanker y bapornan di clase similar cu ta pasa Aruba y bapornan mas grandi cu ta worde sperá ora e haaf, cu awor ta worde cobá te 40 pia, ta cla pa recibi nan.

Dos Miembro Reeligi, Tres Nobo den SPAC

E resultadonan di eleccion general pa Special Problems Advisory Committee teni Februari 22 - 24 a munstra cu M. Croes, J. M. Hodge, C. Yarzagaray, S. E. Howard y F. Mingo a worde eligi.

Sr. Croes, Sr. Hodge y Sr. Howard lo ta den pa dos anja. Sr. Yarzagaray y Sr. Mingo pa un.

E total di votonan den grupo nacional tabata:

Sr. Croes, 1368, Sr. Hodge, 1195 y Sr. Yarzagaray, 1041.

Den grupo no-nacional e totalnan tabata:

Sr. Howard, 463; Sr. Mingo, 411.

Sr. Hodge y Sr. Mingo tabata miembronan anterior di SPAC; Sr. Croes, Sr. Yarzagaray y Sr. Howard ta nobo eligi. Nan lo sinta na Maart.



RECIBIENDO felicitacion aki riba ta Clase I di ganadornan di Premionan Mayor di CYI pa 1955 (robez pa dreechi) A. A. G. Slater, J. E. Peterson, F. Mingo y C. A. Gumbs. Ariba dreechi ta H. B. Gregersen, secretario di CYI, ta felicita Sr. Peterson cu su segundu premio mayor. Tambe ariba e retrato ta R. C. Baum, A. G. Kossuth, K. E. Springer y F. E. Griffin.

Catalyst Testing

Small Scale "Cat Plant" Gives The Answers

Catalytic cracking, developed some 20 years ago to increase the production of motor gasoline, was spectacularly successful. Refined under high heat - and in the presence of a catalyst - gasoline production could be raised from 22 per cent of a barrel of crude oil to 57 per cent.

It could, that is, when the catalyst was fresh and active. When metals, deposited during the cracking process, contaminated the catalyst and by-products such as coke further reduced its activity, the gasoline yield fell off.

Research showed the extent to which the catalyst was deactivated or contaminated depended primarily upon two factors.

The severity of the cracking operation.

The type of "feed stock."

Catalysts used in catalytic cracking are usually composed of silica and aluminum oxides. They vary in their "activity" or effect on the cracking process which splits the hydrocarbon molecules of the "feed stocks."

The "feed stocks" vary in type according to the refining they have previously undergone. Generally, the stocks charged to a "cat cracker" are gas oils from the middle distillate range.

Over the years various catalyst-feed stock combinations resulted in various degrees of contamination and percentages of gasoline yield. The Standard Oil Co. (N.J.) set about to find combinations which would produce the least contamination and the most gasoline.

Testing Device Developed

An affiliate, the then Standard Oil Development Co., perfected a pilot plant to test catalyst in 1940. During the early years of catalytic cracking the device was adequate, but the introduction of fluid catalytic cracking - in which the catalyst acts like a fluid - made the unit obsolete.

SOD, now the Esso Research and Engineering Co., had found that finely-powdered catalyst could be made to flow on a stream of air or gas, could mix more readily with the vaporized feed stock than catalyst in a fixed-bed and more effectively speed the cracking operation.

Fluid cracking, however, presented different problems than fixed-bed cracking. In 1946 the Jersey affiliate began to look for a better method of solving these problems and by 1951 had come up with the Standard Fluid Testing Unit.

Like the earlier model the SFTU -



UNIT OPERATOR Sixto Arends quickly weighs the cracked product before any is lost through evaporation.

UNIT OPERATOR Sixto Arends liheramente ta pisa e producto gekraak promer cu nada di dje bai perdi door di evaporacion.

as it became known - allowed refineries to test on a small, relatively low-cost scale different catalyst-feed stock combinations proposed for the massive "cat crackers."

But the SFTU also had a number of advantages over its predecessor. It could complete a test in 10 minutes where the previous model took two hours. More important, it could operate more closely to the conditions in the larger units. Its results were more accurate and could be reproduced exactly time after time.

Lago Gets New Model

Because of these and other improvements, six of the new testing units were sold to Jersey affiliates. Last month, a seventh went to work for Lago.

The slim, 15-foot-tall column with its control board and other accessory equipment were set up in the Experimental and Development Laboratory. D. A. Domes, who had been specially trained by Esso Research, was put in charge.

With the new equipment, which is

described as a fluid bed, cyclic, pilot catalytic cracking unit, Mr. Domes can reproduce the conditions existing in Lago's "cat cracker" and - through test runs in the pilot plant - predict with a high degree of accuracy the results of similar runs in the larger unit.

The reactor part of the unit, in which the cracking takes place, is a two-inch-diameter tube seven feet high. It is immersed in a bed of sand through which winds a 10-foot coil that carries the feed stock to the reactor. The sand is electrically heated and in turn heats the oil and the reactor.

The catalyst is mixed in the reactor with the vaporized feed stock. The cracked products are partially condensed in a water-cooled condenser which leads into a flask. The products enter the flask as a stable mist which is broken up by high-frequency sound vibrations.

The liquids drop to the bottom of flask. The gases go off through the top and are collected in a plastic balloon.

Extreme Care Necessary

Successful use of the unit demands extreme care in preparation, operation and analysis of results. For instance, the catalyst to be tested must be mixed for 60 minutes in a counter-rotating shaker to insure that the charge is representative of the total sample.

Inside the reactor the catalyst is constantly stirred by an agitator to provide maximum contact between the catalyst and the vaporized feed stock. The catalyst and feed stock are weighed to the nearest tenth-of-a-gram.

The unit was designed to provide the best possible control conditions. The pump that supplies the feed stock, for example, was carefully calibrated and geared to provide an unchanging flow. The reactor walls and the agitator - a vertical shaft with perforated plates - were hard chrome plated to cut down their possible contamination of the catalyst.

Temperatures within the unit, recorded every two minutes during the 10-minute test run, are regulated by an automatic controller. The sand in which the reactor is immersed is fluidized to insure maximum heat distribution.

Results Evaluated

The results of the test runs are carefully evaluated. The liquid products are weighed, then distilled to determine the amount of cracking that has taken place; the gases are measured, then analyzed for the amount and kinds of light hydrocarbons they contain; the catalyst is tested for the amount of coke deposited on it.

These results, when compared with data obtained earlier through other tests, provide a basis for predicting what would happen were the "cat cracker" operated with a similar catalyst and feed stock.

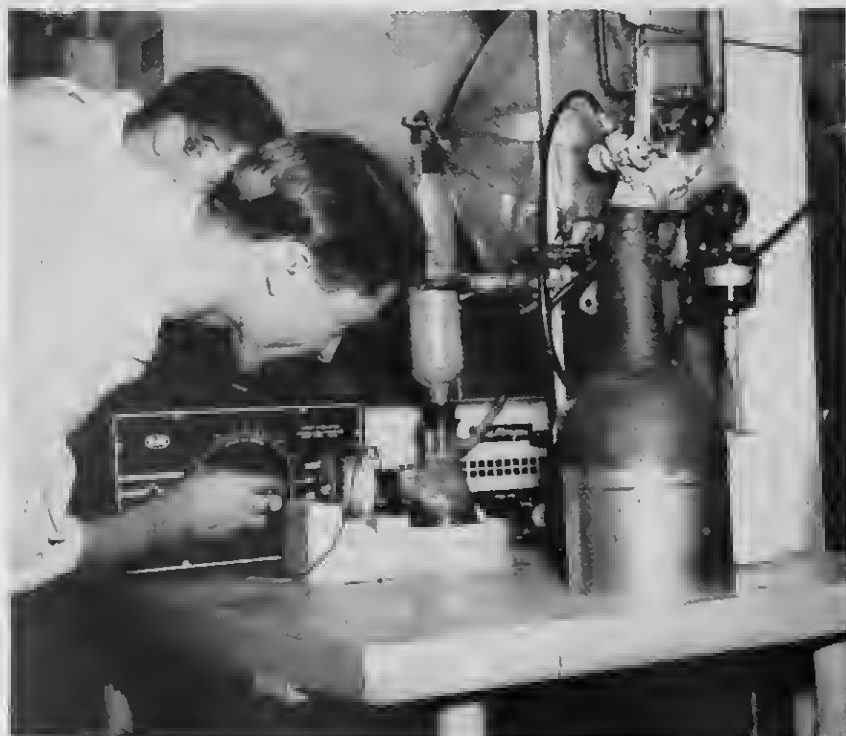
The predictions - with possible variations - are worked out on Lago's Card Program Calculator, a high-speed electronic computer which can quickly solve the mathematical problems involved in the forecast.

Siete Empleado A Recibi Oloshi

Oloshinan di oro representando 25 anja di servicio a worde presentá Diarazon na siete empleado di Lago. E cantidad total di oloshi presentá te awor ta 367.

C. F. Smith, superintendente di departamentonan di staff y servicio, a presenta e oloshinan na:

J. J. Solano, J. C. Thijzen, F. Koolman, A. B. Helliger y N. de Kort di Mechanical Department; E. Arends di Process Department y F. C. Lynch di Accounting Department.



HIGH-FREQUENCY sound vibrations, regulated by D. A. Domes, break apart the cracked product which appears as a mist in the flask. The liquid stays in the flask, the gas goes up into the plastic balloon.

VIBRACIONNAN sonico di alta frecuencia, regulá door di D. A. Domes, ta kibra for di otro e producto gekraak cu ta parce manera un nubolina den e fleishi. E liquido ta keda den e fleishi, e gas ta subi den e balon di plastic.

SFTU ta Check Operacion di PCAR

Kraakmento di catalysta, desaroyá un 20 anja pasá pa aumenta produccion di gasoline pa motor, tabatin un exito spectacular. Refinà bao temperatura halto - y den presencia di un catalysta - produccion di gasoline a subi for di 22 por ciento di un barril di crudo te 57 por ciento.

Esey kier mcan, e por, ora e catalysta ta fresco y activo. Ora metalnan, depositá durante e proceso di kraakmento, contaminan e catalysta y residuo manera coke reduci su actividad mas leuw, e produccion ta cai.

Experimentacion a muntra cu e grado den cual e catalysta ta worde contaminá of atrazá tabata depende primeramente di dos factor:

Severidad di e operacion di kraakmento.

E sorto di "feed stock."

Catalysto usá den kraakmento catalytico generalmente ta consisti di silica y aluminio oxido. Nan ta varia den nan "actividad" of efecto ariba e proceso di kraak cual ta parti e moleculonan hidrocarbonico di e "feed stock."

E "feed stocks" ta varia den sorto di acuerdo cu e refinacion cu nan a haya mas promer. Generalmente, e stocks cargá den un cat cracker ta gas oil for di clase di medio destilado.

Over di anjanan varios catalysta - combinacionnan di feed stock a resulta den varios grado di contaminacion y porcentaje di produccion di gasoline. Standard Oil Co. (N.J.) a cumenza busca pa haya combinacionnan cual lo produci mas menos contaminacion y mas hopi produccion di gasoline.

Desarayo di Aparato pa Test

Un afiliado, e tempo Standard Oil Development Co., a perfecciona un planta piloto pa test catalysta na 1940. Durante e promer anjanan di kraakmento catalytico e aparato tabata adecuado, pero introduccion di kraakmento catalytico fluido - den cual e catalysta ta actua manera un fluido - cabu utilidad di e unidad.

SOD, awor Esso Research and Engineering Co., a descubri cu catalysta garna fini por corre ariba un stroom di aire of gas, por mezelan mas liher cu e feed stock vaporizá cu catalysta den un contenedor fiho y haci e operacion di kraak mas liher efectivo.

Kraakmento fluido, sin embargo,

tabata presenta diferente problema cu e sistema bieuw. Na 1946 e afiliado di Jersey e cumenza busca un mehor metodo pa solucionan e problemanan y pa 1951 nan a bini cu e Standard Fluid Testing Unit.

Mescos cu e modelo anterior e SFTU - manra el a bira popular - ta permiti refinarianan pa test na chikito, na costo relativamente abao varios combinacion di catalysta - feed stock proponi pa e grandioso cat crackers.

Pero e SFTU tabatin tambe algun ventaha over di su predecesor. E por a completa un test den diez minuut mientras e modelo bieuw tabata tuma 2 ora. Mas importante e tabata por opera mas cerca di e condicionnan actual den unidannan grandi. Su resultadonan tabata mas fiho y por a worde reproduci exactamente cada biaha tras di otro.

Lago a Haya Modelo Nobo

Pa motibo di esakinan y otro mehoracionnan, seis di e unidannan nobo di test a worde bendi cu afiliadonan Esso. Luna pasá, di siete a yega pa Lago.

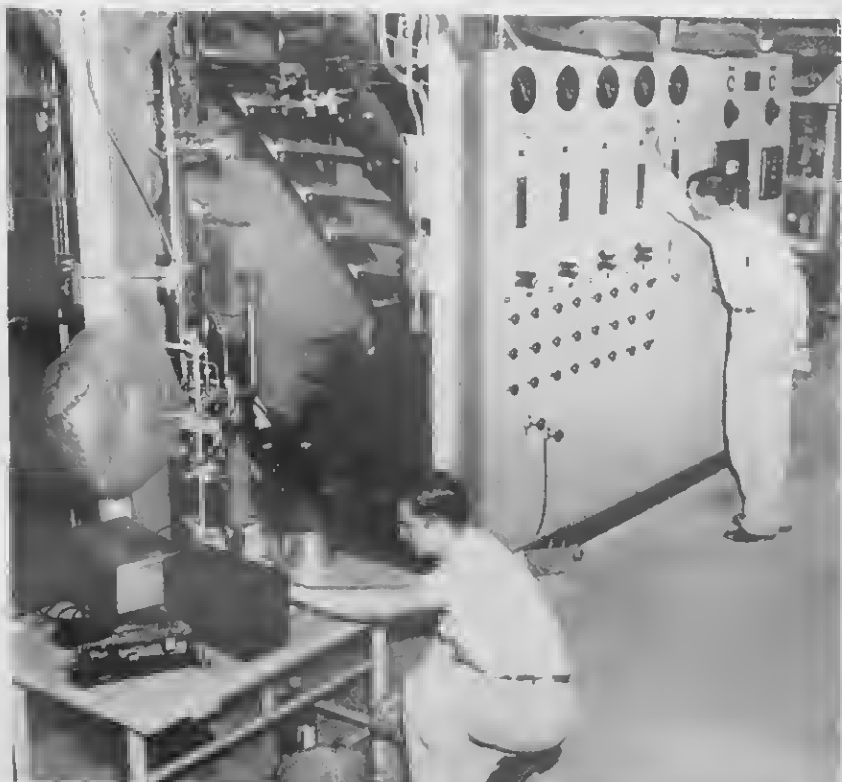
E columna small, 15 pia largo cu su control board y otro aparatonan acesorio a worde estableci den Experimental and Development Laboratory. D. A. Domes, kende a worde entrená specialmente door di Esso Research, a keda encargá cu ne.

Cu e aparato, cual ta worde describi como un fluid bed, cyclic, pilot catalytic cracking unit, Sr. Domes por reproduci e condicionnan cu ta existi den e cat cracker di Lago y - door di experimento den e planta piloto - pronostica cu un gran grado di seguridad e resultadonan di procesonan similar den e planta mas grandi.

E parti di reactor di e planta, den cual e kraakmento ta tuma lugar, ta un tubo di dos duim diametro y siete pia halto. E ta gesea den un cama di santo door di cual un coil di 10 pia cu ta hiba e feed stock pa e reactor ta lora. E santo ta worde cayentá electricamente y en turno ta cayenta e azeta y e reactor.

Den e reactor e catalysta ta mezelan cu e feed stock vaporizá. E productonan gekraak ta worde condensá parcialmente den un condenser friá cu awa cu ta dreña den un fleishi. E productonan ta dreña e fleishi manera un nubolina cual ta worde lubrá door di vibracionnan sonico di alta frecuencia.

(Continua na pagina 6)



N. M. EADES (left) assisting with the SFTU studies and Laboratory Assistant Sixto Arends keep close check on the unit during a test naptha run.

N. M. EADES (robez) asistiendo cu estudionan SFTU y Laboratory Assistant Sixto Arends ta tene un vista di acerca ariba e unidad durante un prueba cu naptha.



TURNAROUND



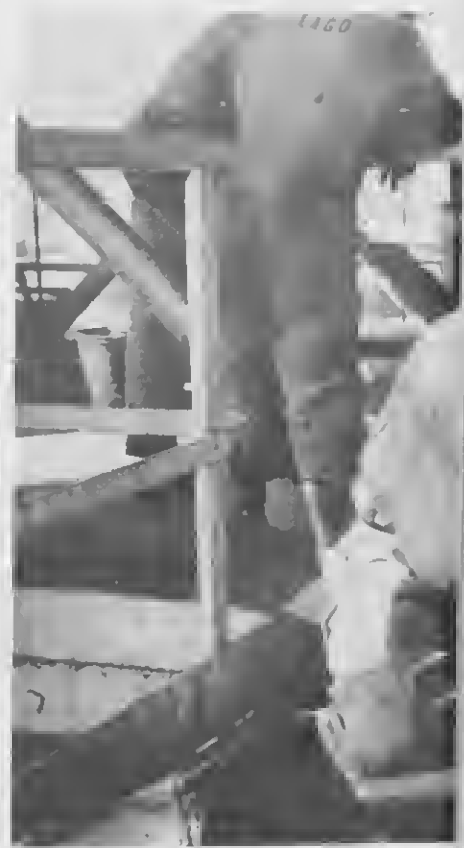
On Feb. 17, minutes after midnight, PCAR came alive again. Giant compressors started their incessant pounding; motors let loose their familiar whine. The pulsating rhythm of a giant cat plant in action joined the beat of a throbbing refinery as gas oils of the middle distillates shot through its veins. The cat plant was back on stream.

For 40 days prior to the day oil was cut back in, the veins, arteries, nervous system and various and sundry vital elements of Lago's largest unit were drained, cleaned, repaired, replaced, refurbished. And well it earned its 40 days of rest. Its come down date of Jan. 8 marked the completion of a record 700 days of continuous operation - one of the longest cat plant runs in the Standard Oil Co. (N.J.) organization.

The 13th annual inspection sent swarms of men representing the many varied skills of Lago's crafts in every possible direction through, around and about the unit. Their job was to renovate PCAR in such a way that the unit could be called upon to repeat its last efficient, uninterrupted 700-day run. The tradesmen, their supervisors, the process men, the engineers converged on the unit. They came carrying their tools. Some had material tools with which to do labor; others' tools came in their ability to plan, direct, supervise. They all represented a tremendous team working with each other fitting together a huge jig-saw puzzle in movements coordinated to make the most of man-hours, reduce the down time.

Who are the men that welded, plastered, cut, wired, cleaned, scraped, planned, supervised and handled all the tasks that combined make up an annual inspection. They come from all parts of the world, from all parts of Aruba. Together they form a team that keeps Lago in a competitive position in a highly competitive world oil market.

Here are these men at work. Random, candid pictures taken during the inspection. Without captions, the pictures deliver the message.





D WORKERS



Feb. 17, poco minuit despues di mei anoche PCAR a cuminsa biba atrobe. Compressornan gigante a cuminsa nan batimento constante; motornan a start nan gritamento familiar. E ritmo pulsante di e Cat Plant gigante den accion a reuni cu e palpitacion di e refinaria ora gas oil di e distillate medio a hula door di su adernan. E cat plant a cuminsa traha atrobe.

Pa 40 dia prome cu e dia azeta

a worde mandá back aden, su sistema di nervionan y varios y hopi otro elementonan vital di e unit mas grandi di Lago a worde secá, limpiá, dreehá y reemplazá. Y e tabata merece su 40 dia di sosiego. E dia di baha Jan. 8 a marca e compleccion di un record di 700 dia di operacion continuo - un di e periodonan mas largo pa un cat plant traha den e organizacion di Standard Oil Co. (N.J.).

E di 13 inspeccion anual a manda cantidad di hombernan representando e varios diferente trabaonan na Lago den cada direccion posible, door, rond y ariba e unit. Nan trabao tabata pa renobá PCAR den cierto manera cu e unit por ta capable pa repiti su ultimo eficiente run di 700 dia sin interrupcion. E trahadornan, nan supervisornan, e hombernan di process, e engineernan a yena e unit. Nan a yega cargando nan hermentnan. Poco tabatin herment di material pa haci nan trabao; hermentnan di otro nan tabata nan capacidad pa planea, duna direccion, e tene supervision. Nan tur a representa un team tremendo trahando hunto pa arma un rompe-cabeza enorme cu movimiento coordiná pa reduci tiempo cu e unit no tabata trahando.

Quien tabata e hombernan cu e weld, pleister, corta, pone wire, limpia, raska, planea, tene supervision y haci tur e trabaonan cual combiná ta un inspeccion anual. Nan a bini di tur partinan di e mundo, di tur partinan di Aruba. Hunto nan ta forma e team cu ta tene Lago den su posición di competicion den un mercado mundial di azeta unda tin hopi otro competicion fuerte.

Aki ta e hombernan na trabao. Portretnan sacá con cu ta durante e inspeccion. Sin nada scirbi abao, e portretnan mes ta duna nan splieacion.



At Sea 15 Months; Log 17,000 miles

Sailing Adventurers Visit Lago

A 37-foot ketch beat around Colorado Point the morning of Feb. 27, made its way along the southwest shore and hove to in San Nicolas Harbor. It was on its way back to California after some 15 months at sea.

The "Faith" left Los Angeles Dec. 1, 1954. Aboard were her builder-owner-skipper, L. H. Baldwin, his wife, Hilda and their 16-year-old son, Bill.

Mr. Baldwin had given up his job with a utility company to take his family on an extended, leisurely cruise through the Caribbean and along the East Coast of the United States.

From Los Angeles they headed south. Past Lower California, Mexico and the Central American countries they sailed and reached the Panama Canal 2 1/2 months later.

"We only intended to stay there a couple of days," Mr. Baldwin explained as he lounged in the cockpit of the "Faith," "but it stretched into five weeks."

Through the canal, they headed across the Caribbean toward Jamaica. Favorable winds, sunny weather and an automatic pilot that took over the wheel gave the family "a wonderful sail."

From Jamaica they moved along to Haiti and the Bahamas. A dinghy with an outboard motor gave them a chance to put ashore at various spots throughout the islands. From the Bahamas they set sail for Ft. Lauderdale, Fla., then rode the Gulf Current north to Charleston S. C.

Making their first visit to the East Coast, the Baldwins took a sidetrip up the Potomac River to Washington, D. C., "where we went night and day seeing all the points of interest." From Washington they went on to the mouth of Delaware River up which they sailed to Philadelphia "for another round of sight-seeing."

From Philadelphia they went north to New Brunswick, Canada, then headed south again. Their son, enrolled as a freshman in the University of California at Berkeley, flew back to the West Coast for the opening of school and Mr. and Mrs.

Baldwin continued on to Miami, Fla., alone.

There they were joined by a friend, Miss Barbara Cochran, who flew east from California. Once again the "Faith" headed out into the Atlantic bound for the Bahamas. From the Bahamas to Puerto Rico the good weather they had enjoyed deserted them.

"We didn't know it when we left for San Juan, but a little 'cold' Hurricane - 'Anna' - was beating Puerto Rico," Mr. Baldwin explained. "For seven days we took an awful pounding. The storm was so bad it washed away 1000 houses on the north coast of Puerto Rico."

After resting in San Juan, the trio sailed for the Virgin Islands and again hit bad weather. All the way down the Windward Islands they fought heavy seas and gale-force winds that had them raising and lowering sails almost continuously. It was not until they neared St. Lu-

cia that the weather cleared.

They went as far south as Grenada, then headed the bow for Curacao. They planned to stay there only one day but the visit stretched to five. The left the night of Feb. 26 and reached Aruba some nine hours later.

Mr. Baldwin huilt the "Faith" in three years of spare-time. He and his wife sailed it on a six-month voyage along the coast of Mexico six years ago and it was then they set their sights for the voyage they are currently making.

By the time they return to Los Angeles - by way of Cartagena, Colombia and the canal - they will have logged close to 35,000 miles with the "Faith," 17,000 miles on this voyage.

"I know what will happen when we get back," Mr. Baldwin laughed. "We'll start making plans for another trip."



HAVING scanned sea charts for some 15 months, the crew of the "Faith" looks over an Esso road map of Aruba prior to a sight-seeing trip. They are (left to right) Mrs. Baldwin, Miss Barbara Cochran and L. H. Baldwin.

E TRIPULACION di "Faith" cu a mira ariba mapa di lamar como 15 luna caba, aki ta mirando un mapa "Esso" di camina di Aruba promer cu na a bishita barios lugar.

Aventureronan A Bishita Aruba

E mainta di Feb. 27 un boto di 37 pia a dobla lentamente na Colorado Point, avanza contra costa zuidost y a dreinta haaf di San Nicolas. E tabata ariba su viaje di regreso pa California despues di 15 luna na lamar.

E boto "Faith" a sali for di Los Angeles Dec. 1, 1954. Abordo tabata su constructor-donjo-captan, L. W. Baldwin, su esposa, Hilda y nan yiu homber di 16 anja, Bill.

Sr. Baldwin a pone su trabao cu un compania di utilidad un banda pa luba su familia ariba un viaje largo y lento door di Caribe y canto di costa oriental di Estados Unidos.

For di Los Angeles nan a coi rumbo zuid. Pasando Lower California, Mexico y e paisnan Central Americano nan a pasa y a alcanza Panama Canal 2 1/2 luna despues.

"Nos tabatin intencion di keda un dos dia so," Sr. Baldwin a splica den cabina di "Faith," "pero nos a keda cinco siman."

Door di e canal nan a subi Caribe y a coi rumbo pa Jamaica. Biento favorable, tempo cla y un stuurdo automatico cu a tuma over e wiel a duna e familia "un paseo maravilloso."

For di Jamaica nan a move pa Haiti y Bahamas. Nan canoa cu un motor portatil a duna nan oportunidad pa alcanza terra na varios lugar den e cadena di islanan. For di Bahamas nan a cruza pa Ft. Lauderdale, Fla., y despues a tene ariba e golfstroom bai pa nord te Charleston, S. C.

Haciendo nan promer bishita na Costa Oriental, familia Baldwin a

haci un viaje den Rio Potomac te Washington, D.C., "unda nos a pasa dia y anochi mirando e puntanan di interse." For di Washington nan a sigui ta na hoca di Rio Delaware for di unda nan a nabega pa Philadelphia "pa bishita mas lugarnan."

For di Philadelphia nan a sigui pa nord te New Brunswick, Canada, y despues nan a bira zuid. Nan yiu, kende ta den promer klas na Universidad di California na Berkeley, a bula bai Costa Occidental atrobe pa habrimiento di school y Sr. y Sra. Baldwin a sigui pa Miami, Fla. nan so.

Aya un amiga a topa nan, Srta. Barbara Cochran, kende a bula bini ey. Atrobe "Faith" a coi camina pa Bahamas. For di Bahamas pa Puerto Rico e bon tempo cu nan tabata di goza di dje a bandona nan.

"Nos no tabata sabi ora nos a sali pa San Juan, pero un horcan chikito yamá 'Anna' tabata azotando Puerto Rico," Sr. Baldwin a bisa. "Siete dia largo nos a tuma un zota horrible. E mal tempo tabata asina pisá cu na costa norte di Puerto Rico el a derota 1000 cas."

Despues di sosega na San Juan, e grupo a sali pa Virgin Islands y atrobe a encontra mal tempo. Henter camina habando for di Isla Arriba nan a bringa lamar pisá y biento fuerte cu tabatin nan ta traha continuamente cu bela. No tabata promer cu nan a acerca St. Lucia cu tempo a habri.

Nan a bai zuid te Grenada, despues hira pa Curacao. Nan tabatin idea di keda un dia so, pero nan a keda cinco. Nan a sali Feb. 26 anochi

y a yega Aruba nuebe ora despues.

Sr. Baldwin a traha "Faith" den tres anja di trabao den su oranan liber y 10 anja su esposa nan a baihele na awa. El cu su esposa a bai cu ne ariba un vacation di seis luna canto di costa di Mexico seis anja pasá y e tempo nan a cuminsa traha lamar pa e viaje cu nan ta haciendo awor.

Pa tempo cu nan bolbe Los Angeles - via Cartagena, Colombia y e canal - nan lo a cubri casi 35,000 milla cu "Faith," 17,000 milla ariba e viaje aki.

"Mi sabi kiko ta bai socede ora nos yega cas," Sr. Baldwin a bisa hariendo. "Nos ta cuminsa traha lamar pa un otro viaje."

SFTU ta Check Operacion di PCAR

(Continúa di pagina 3)

E liquido ta cai abao den e fleishi. E gasnan ta sali pa e top y ta worde colectá den un balon di plastic.

Uso cu exito di e planta ta demanda extremo cuidao den preparacion, operacion y analyse di resultadonan. Por ehemplo, e catalysta cu mester worde getest mester worde mezclá pa 60 minuut den un shaker mezclorotando pa asegura cu e carga ta representativo di e muestra total.

Paden di e reactor e catalysta ta worde gedraai constantemente door di un agitator pa duna contacto maximo entre e catalysta y e feed stock vaporizá. E catalyst y feed stock ta worde pisá na e un decimo parti di un gram mas acerca.

Fund Makes Three Donations



THREE Aruba cultural organizations received contributions from the Prince Bernhard Fund last month. Lt. Gov. L. C. Kwartz is shown presenting a check for Fls. 900 to J. J. v/d Stam, representing the Aruba Symphony Orchestra. At left is E. Bartels, representing the Council of Arts and Crafts which received Fls. 1000. Next is Frere Pedro whose youth band received Fls. 600.

TRES organizacion cultural na Aruba a recibí contribucionnan for di Prins Bernhard Fonds luna pasá. Gezaghebber Kwartzs aki ta presenta un check di Fls. 900 na J. J. v/d Stam representando Orchestra Symphonico di Aruba. Banda robez ta E. Bartels, representando e Comision pa Obranen Artesano cu a recibí Fls. 1000. E siguiente tabata Frere Pedro kende su banda di muziek a recibí Fls. 600.

Plan di Dragamento di Haaf Aki A Worde Cambia pa Acomoda Tankeronan

Plannan pa construccion di bapor anunciá recientemente door di Standard Oil Co. (N.J.) su afiliadonan y otro companianan di cual nan tankero ta dreinta na Lago a causa un extension di e plannan di dragamento actualmente den haaf di San Nicolas hasta promer cu e proyecto a bini cla.

Revision di e programa original menos cu 18 luna despues cu el a worde proyectá ta indica creciente ariba construccion di tankernan "mamut."

Tempo cu e programa di dragamento a worde anunciá na September 1954 e tabata inclui - entre otro - hanchamento di e basin pa zuid di Finger Piers No. 1 y 2.

E tempo tabata e opinion cu acomodacion doble pa dos di e tanqueronan mas grandi bao construccion of planea e tempo lo ta adecuado.

Mas reciente, sinembargo, e pronosticacionnan aki a worde cambiá. Creole Petroleum Corp. a anuncia cu e tin intencion di pone dos tankero di 32,000 tonelada ariba e trajecto Aruba - Lago Maracaibo pa 1959. Creole a anuncia tambe cu poudiser e lo laga traha un of dos bapor mas di e mes tamanjo.

Panama Transport Co., cual ta opera algun bapor cu ta dreinta na Lago regularmente, a bisa cu e tin intencion pa construi 10 tankero den clase di 35,500 tonelada pa uso den Hemisferio Occidental. Otro companianan cu tin tankero cu ta dreinta aki a anuncia plannan pa laga traha tankeronan similar.

Na tur, afiliadonan di Jersey Standard tin 36 tankero bao construccion awor. Un lo ta di 26,225 tonelada; dos lo ta di 26,650 tonelada; un lo ta di 32,000 tonelada; dos lo ta di 35,420 tonelada; 12 lo ta di 35,000 tonelada; 17 lo ta 36,040 tonelada y un lo ta di 37,400 tonelada.

En vista di e desaroyonan aki Technical Service Department a repasa e plannan di dragamento y a decidi cu nan no tabata adecuado. E departamento a haya aprobacion pa amplia e plannan.

E suma aprobá, mas of menos Fls. 875,000, lo worde usá pa hala atras e linea di terra y hundi e basinan di No. 1 y 2 Finger Piers asina cu por tin acomodacion pa cuatro di e tanqueronan grandi proponi awor.

Door di extende e basinan, e estructuranan presente di hese lo por sirbi e tankeronan "mamut" cual generalmente ta casi 700 pia largo. Door di hundi e basinan e finger piers lo ta capaz pa sirbi e bapornan cu ta manda mas cu 35 pia di awa cargá.

ginalmente pa acomoda e tankero. E finger piers tabata designá orinan di estilo T-2 y Supertanker cual ta manda menos awa.

pa determina e cantidad di kraakmento cu a tuma lugar; e gas ta worde midi, despues analizá pa e cantidad y sorto di hydrocarbon liher cu nan ta contene; e catalysta ta worde getest pa e cantidad di coke depositá aden.

E resultadonan aki, ora nan worde compará cu informacion obteni mas promer door di otro test, ta duna un base pa pronostica loke lo socede si e cat cracker worde operá cu un catalysta similar y feed stock

E pronosticacionnan - cu posible variacion - ta worde formulá mas leuw ariba e Card Program Calculator di Lago, un computador electrónico ultra-rapido cual por soluciona mes ora e problemanan matemático involvi den e pronosticacion.



TWO frisky, healthy research pups wait excitedly for the next event in their comfortable, well-regulated life.
DOS cachó saludable den research ta warda excitá pa e siguiente movimiento den nan vida comfortable y bon regulá.

A Dog's Life? ... Hardly

Research Pups Enjoy Cozy Kennel Existence

Blondie awoke at seven and stretched luxuriously. The kennel was beginning to wake up. The Labrador Retriever in the far pen was growling at her puppies and the Fox Terrier across the way yapped a couple of times just to test his lungs. But in the Cocker section, Blondie was the only one yet stirring. There was still nearly an hour before breakfast.

The head kennel man could be heard in the feed room and she knew he was weighing out food portions. His assistant came through the kennel and, seeing that Blondie was awake, reached in and chucked her under the chin.

Promptly at 8 o'clock the feeding started. Into the pen were brought two trays of food. Blondie inspected each carefully, sniffed a little, selected one, and downed a good portion of the food it held.

From nine to 11, Blondie played with three other Cockers in one of the outside runs. While they were out, the entire kennel was washed down from top to bottom and it was clean and sweet to a dog's nose when the exercise period ended.

Next came the grooming. Blondie's coat was combed and brushed and, at the same time, her eyes and ears were inspected. She hopped onto the scale and sat there proudly while her weight was checked and marked on a chart. Blondie's next routine was an afternoon nap and then a play period.

Supper and Bed

Supper followed and again she was given the choice of two foods - more than she could eat of either. Then, it was off to bed for Blondie.

Blondie's life is quite cozy. So are the lives of the other 79 dogs in this particular nutritional research kennels. They're doing very important jobs. They are testing food for hundreds of thousands of dogs the world over.

This may seem to be a simple problem that hardly requires the elaborate equipment and highly skilled staff maintained by these kennels. But there is a good deal more to developing a complete dog food than merely making up a formula. The highly satisfactory canned foods and meals that make life simple for the pet owner and assure the health and well-being of modern dogs are planned with great care and include many carefully selected ingredients no householder is likely to have on hand.

Experimentation that led to the development of dog foods started as far back as 1930. Most of the testing in those early days was carried on

with rats. But there are minor differences in the dietary needs of rats and dogs and even bigger differences in their taste preferences. Today, white rats are still used for preliminary investigation of new ingredients, but the more exacting research is done in modern, efficient kennels using healthy, strong dogs of all breeds.

To get a variety of sizes and types of dogs for study, the original breeds selected were pure bred Wire Haired Fox Terriers, Cocker Spaniels and Chow Chows. Wires and Cockers are still kept today, but for various reasons the Chows were later replaced by Irish Setters, and these in turn are now being replaced by Labrador Retrievers.

Dogs Do Two Jobs

In general there are two types of jobs done by these dogs. One is testing palatability of foods, the other is testing nutritional benefits. Dogs like Blondie are fed a variety of foods so that they never become particularly accustomed to any one and they are given a choice of two foods at each meal.

Supplementing the kennels' findings are the reports sent in by owners throughout the world. A rather unique system is employed beyond the exteriors of the research kennels' finely kept dog runs. There are privately owned dogs living in their own homes throughout the United States who are sent regular shipments of foods in plain wrappings, identified only by numbers. Two kinds of food are given to these dogs at each meal and a careful record of their preferences is kept as a double check on Blondie and her associates in the kennels.

The kennels have, through the years, found out a number of facts about dogs that are not generally known, that would upset test results unless allowance was made for them. For example, it is important in both the home and the kennel to alternate the position of the bowls or trays at each meal. For it has been found that some dogs have a tendency to eat from left to right, and others from right to left.

No Variety

As a check on tests, some dogs get no variety in their meals at all. And, interestingly enough, want none. To test the actual value of a food, three or more generations of dogs are often kept on one formula from the day they are weaned until they become parents or grandparents. Variety in diet is of little importance to a dog, say the experts. And once a dog gets used to one food it is difficult to switch him to any other.

BOYS AND GIRLS PAGE

BASEBALL BENCH

Q An outfielder throws his cap or glove deflecting a batted ball which looks like it is on its way into the seats in fair territory. What would you rule?

A Home run.

Q What player established the record of pitching 29 consecutive scoreless innings during World Series play?

A Babe Ruth.

Q Two of American League's outstanding players stand only five feet, seven inches in height, and each weighs less than 155 pounds. Can you name them?

A Phil Rizzuto and Bobby Shantz.

Q A scout watched two opposing pitchers, whom we'll name Smith and Jones. Twice, with men on base, Smith walked dangerous batters. Jones, in similar situations, tried to work the corners and the batters hit safely. Smith was the winner, 4-2. Which pitcher would you recommend?

A Smith, reasoned the scout, was lucky to win after walking his batters. Jones showed greater competitive courage in trying to strike out the batters under similar pressure, and was judged the better prospect.

Q What batter, while playing on three major league teams, compiled the highest average achieved by a member of each team during this century?

A Rogers Hornsby, .380 with Chicago, .387 with Boston, and .424 with St. Louis, all in the National League.

Q Most major league bats are made from ash trees grown on the northeast sides of mountains. Why northeast?

A The northeast side escapes the hot afternoon sun in summer, and in winter stores root moisture with snow and is uninviting to woodpeckers.

Actually, the measure of a good food is its effectiveness in complete nourishment of the dog through the four eyes - growth, maintenance, reproduction and lactation - and through succeeding generations. Special check-ups include metabolism testing following heavy exercise and tests for stamina.

One such kennel doing remarkable work in the development stamina and health-giving food is the Swift's Nutritional Research Laboratory. Just recently this laboratory developed a product known as Gum Gualiac which was an animal fat stabilizer or "anti oxidant." Made of the rosin from a central American tree, it allowed production of an animal fat shortening that could be kept on the pantry shelf, whereas all previous lards had to be kept in the refrigerator.

Dogs fed on the new meals grew as fast, had as many puppies, nursed their offspring as well and stayed as healthy and in as good coat as their sisters who were fed the best formulas of fresh or canned foods.

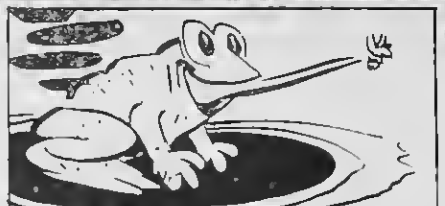
ZOO'S WHO



WALRUSES LIVED IN WHAT IS NOW FLORIDA DURING THE ICE AGE, AND MOOSE THRIVED AS FAR SOUTH AS KENTUCKY...



BEES NEVER HAVE LEARNED TO AVOID HAZARDS ERECTED BY MAN, AND GREAT NUMBERS ARE KILLED IN COLLISIONS WITH TELEPHONE WIRES...



TOADS AND FROGS HAVE NO NECKS, HENCE BEFORE SHOOTING OUT THEIR TONGUES AT INSECTS THEY MUST AIM THEIR BODIES MUCH AS A GUN CREW LINES UP A GUN BEFORE FIRING.

Cachó Usa den Research Tin un Bida Contento

Blondie a lamta siete 'or y a rek den tur su grandeza. E cachornan tabata spiertando. E Labrador Retriever den e cas tabata grunjando cu su ehikitonan y e Fox Terrier na otro banda a hap algun biaha pa yena su stoma cu aire. Pero den e seccion di Cocker, Blondie tabata e unico cu tabata muntra movcion. Ainda tabata falta casi un ora promer cu desayuno.

Den e cuarto di cuminda e mayordomo por a worde tendi ta midi y pisa porcion di cuminda. Su ayudante a drenta den e eas y mirando cu Blondie tabata lamta, el a earieie'le bao su eachte.

Puntualmente 8 'or e dunamento di cuminda a cuminsa. Dos plato grandi di cuminda a worde treci paden. Blondie a inspecta cada uno cu hopi cuidao, hala su nanishi ariba, selecta uno, y a tira un gran parti di e cuminda na stoma.

For di nuebe pa 11, Blondie a hunga cu tres otro Cockers den e caredanan pafor. Ora nan ta pafor, tur e casnan di cacho ta worde labá for di ariba te abao y ora e tempo di corre pafor pasa, e cachornan ta haya na lugar limpi limpi.

Despues a bini penjamento. Blondie a worde penjá netchi y na mes tempo su wowo y horea a worde inspectá. El a bula ariba e balanza y a keda sinta ey riba te ora su peso tabata gecheck y marcá ariba un eaar-tji. E siguiente rutina di Blondie tabata un sonjo di tramerdia y despues un periodo di wega.

Cuminda di atardi tabata sigui y atrobe e ta worde duná dos cuminda pa selecta - mas di loke e por come for di tur dos. Despues ta ora di drumi pa Blondie.

E bida di Blondie ta hopi bon mes. Esaki ta aplica tambe pa e otro 79 cachornan den e seccion unda test di cuminda ta worde haci. Nan ta haciendo trabao masha importante. Nan ta test cuminda pa cientos di miles di cachor den henter mundo.

Esaki por ta parece un problema simple cu apenas ta requeri e aparatonan complicá y personal extremamente cualificá cu ta worde mantení pa mira pa e cachornan. Pero ta bini mas acerca cu solamente un formula den desaroyo di un bon cuminda di cachor. E cumindanan altamente satisfactorio cu ta bini na bleki y cu ta haci bida mucho mas tranquil pa e donjo di cachor y na mes tempo ta asegura salud y bienestar di cachornan moderno ta worde planea cu gran cautela y ta inclui hopi ingrediente selectá cuidadosamente cual no ta probable cu un donjo di cas particular tin disponible.

Experimentacionnan cu a conduci pa desaroyo di cuminda di cachor a cuminsa den anjanan 1930. Den e tempo aki un gran parti di e testamento tabata worde haci door di djaca blanco. Pero tin diferencia chikito den necesidad di cuminda di

djaca y cachor y diferencia grandi den nan preferencia nan di sabor. Awendia, djaca blanco ainda ta worde usá pa investigacion preliminar di ingrediente nobo, pero e experimentacion mas preciso ta worde haci den easnan di cachor moderno, saludable y cu cachornan fuerte di tur raza.

Pa haya un variedad di tamanja y sorto di cachor pa estudio, e razanan original escogi tabata Wire Haired Fox Terriers, Cocker Spaniels y Chow Chows di raza puro. Wires y Cockers ta worde mantení ainda awendia, pero pa varios motibonan e Chows a worde reemplazá mas despues door di Irish Setters, y esakinan en turno awor ta worde reemplazá door di Labrador Retrievers.

En general e clase di cachornan aki ta haci dos trabao. Uno ta test e smaak di e cuminda, e otro su valor nan nutritivo. Cachornan manera Blondie ta worde duná un variedad di cuminda asina cu nunca nan ta bira particularmente customibrá cu ningun di nan y semper nan ta worde duná un seleccion di dos cuminda cada biaha.

Suplementando descubricion di e institucionnan aki ta e informenan mandá door di e donjonan di cachor den henter mundo. Un sistema unico ta worde sigui den e respectu aki. Den Estados Unidos tin cachornan di donjo particular cu ta biba den nan mes eas y cu periodicamente ta

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THIS little guy gets his daily weight check.
E GI'Y chikito aki ta haya su peso di cada dia di check.



Nando Wins By Decision

NETHERLANDS Antilles Middleweight Champion Sugar Boy Nando (left) slugged out a unanimous 10-round decision Feb. 25 at Swingsters Square Garden over Ivelaw Stevenson of British Guiana. Badly outclassed, Stevenson was knocked down three times but managed to go the distance.

CAMPEON peso mediano di Antillas Holandes Sugar Boy Nando (robez) a bati un decision unanimo di 10 rond Feb. 25 na Swingsters Square Garden ariba Ivelaw Stevenson di Guiana Ingles. Encontrando un peleador di clase mucho superior en ne, Stevenson a bai suelo tres vez pero a logra bai 10 round.

35 Idea "Coiners" Share Fl. 1460 In January Awards

Coin Your Idea awards totaling Fls. 1460 went out to 35 suggestors during January. The largest award - Fls. 300 - went to G. McCoy of P. J. Cracking. He suggested a fuel connection modification for pitch firing burners.

Other awards went to:

		Instrument	
Accounting		M. A. Davidson	Fls. 20
Mrs. R. de Freitas	Fls. 20	Medical	
Executive		S. J. Speziale	Fls. 200
Miss E. L. Coyte	Fls. 25	(Supplemental)	
Ind. Rel.		Medical-Hospital. Purchase inter-	
Mrs. G. Kenson	Fls. 20	changeable plunger or barrel type	
S. Brathwaite	Fls. 20	2 CC syringes	
Lago Police		Process	
W. Wheatley	Fls. 60	Acid & Edel.	
Ex.-LPD - Provide plastic cap		C&LE	
covers to all uniformed personnel.		F. Peters	Fls. 25
H. Hodge	Fls. 25	A. Croes	Fls. 35
Mechanical		J. E. Kelly	Fls. 30
Storehouse		A. M. Barros	Fls. 30
T. H. Murray	Fls. 25	J. Steele	Fls. 25
Carpenter		J. Peters	Fls. 25
C. T. Nicholas	Fls. 20	Cracking	
C. K. Scott	Fls. 20	G. McCoy	Fls. 300
Electrical		Process-Cracking. C-U. 1-8. Install	
J. J. Rodrigues	Fls. 30	fuel oil connection to pitch firing	
N. C. Agui	Fls. 25	burner from 3.1" fuel oil connection.	
A. Arends	Fls. 20	A. Pekary	Fls. 50
R. S. Ewart	Fls. 20	Process-Cracking. Method for	
Yard		"Steam Conservation" at Cracking	
J. Koolman	Fls. 50	Plant.	
P.-Eastern. Install guard posts and		P. J. Zagers	Fls. 40
top rail east of old visual aid build-		B. Alders	Fls. 25
ing south of Hydro Plant south of		LOF	
field machine shop.		J. Peterson	Fls. 35
J. Koolman	Fls. 25	F. E. Groenewaldt	Fls. 30
Gar & Transp.		U. E. Vlaan	Fls. 25
P. A. Weaver	Fls. 35	Utilities	
Pipe		A. Syed	Fls. 30
P. rausquia	Fls. 30	TSD-EIG	
F. C. Nation	Fls. 30	W. Chai	Fls. 25

New Arrivals

February 14	February 19
SCHULTZ, Fridolin V. - Storehouse; A son, Joseph Anthony	FLANDERS, Ambrosius - Garage; A daughter, Esther Altargracia
SETTO, Lodewijk M. - Mech. Electrical; A daughter, Hanna Elaine	VASEUR, Jacques L. - Machine Shop; A daughter, Linda Ludwine
PENBERTON, Rufus C. A. - Esso Dining Hall; A daughter	LUIDENS, Julia - Accounting; A daughter, Diana Susan
February 15	February 20
KELLY, Bernard - Mech. Boiler; A son, Edward Simpson	FRADL, Benfili L. - Accounting; A son, Humphrey Peter
HENRIQUEZ, Victoriano - Pipe; Twin daughters	COLL, Antonio R. - Storehouse; A son, Leoteris Melguades
CAMPBELL, Colin - Mech. Storehouse; A son	BAPTISTE, Bernarlio - TSD Ind. 1, A daughter, Ruth Agatha Baptist
KATON, Gerhart - Dutch Pilot; A son, Hans Arthur	February 21
February 17	VALENTIN, Frits - Marine (FR); A daughter, Maximiliana Mircla
MADURO, Marin - Utilities; A son, Michael Harold	FELDMAN, Roland W. - Accounting; A son, Terence Wayne
WESTER, Jan D. - Welding; A daughter, Maria Mercedes	SILLE, Gerónimo, Mech. Paint; A daughter, Omayra Sirecia
KOOLMAN, Onilio S. - C&LE; A daughter, Selvia Silvia	February 22
BEEROUT, Fedelito - Utilities; A son, Lenard Leslie	BAARH, Marco J. - Cracking; A son, Roney Rutlio
February 18	SEMELEER, Marcela - Rec. & Ship. Wharves; A daughter, Margarita Isabella
PETROCHE, Lodowick B. - Storehouse; A daughter, Ludwina Maria	HODGE, Casper C. - Pipe; A son, Bernard Fernando
BRIEZEN, Juan - C&LE; A daughter, Glenda Maricga	LIMBURG, Arthur E. - Utilities; A daughter, Betty Barbara
LOPEZ, Arthur - Storehouse; A daughter, Marjorie Elizabeth	

LCAC Lo Usa Eleccion di Primario, Final

E eleccion venidero di Lago Commissary Advisory Committee lo sigui e ehempto estableci door di LEC y SPAC; e lo tene un eleccion primario y final. Adoptando e sistema di eleccion aki, e comite a fiha su eleccion primario pa April 11, 12 y 13 cual ta worde sigui un siman despues, April 18, 19 y 20, door di eleccion final.

E Comité Nominativo a worde eliminá pa tur eleccionnan representativo den Lago. Den su lugar a bini henter e grupo di constituyentenan. E constituyentenan ta e unico seleccionnan di e hombernan cu ta aparece ariba e lista di candidato.

Tur candidatonan cu ta desea di participa den e eleccion primario mester manda peticionnan cu 100 firma di votadornan eligible aden. Pa e eleccion di LCAC, e peticionnan aki por worde obtene na Oficina 211, BQ 1 di Industrial Relations Department. E peticionnan cu 100 firma di empleadonan den e grupo di nacionalidad di e candidato, mester worde debolbi promer cu 4 p.m. Maart 20. Peticionnan lo ta disponible Maart 13.

Habri ariba LCAC tin tres posicion; dos nacional y un no-nacional. E pucstonan nacional ta esnan di A. Kelly di Cracking y C. Z. de Cuba di Training Division. E. R. Tullock di Storehouse ta ocupa e puesto no-nacional yenando e periodo di A. A. Kalloo di Accounting.

E junta electoral ta consisti di Sr. Kalloo, S. Blaize, E. Erasmus, M. E. Donata di Catalytic & Light Ends, J. Briezen y F. H. Ritveld di Cracking, M. Arends di Mechanical - Electrical y Srta. P. Hiemcke di Mechanical Administration.

Otro Aviso di Director Medico

Departamento Medico di Lago a anuncia luna pasá cu el a cuminsa duna inoculacion, vacunacion y haci operacion di amandel cu a worde suspendi na Januari despues cu easonan di polio a worde descubri na Aruba.

Dr. R. C. Carrell, director medico, a bisa cu e suspension a worde kitá Maart 1 segun direccion di Dr. O. A. Bijl, hefe interino di departamento di sanidad publico, kende a reporta ningun caso nobo di polio na Aruba durante Februari.

Dr. Carrell a bolbe duna un aviso na mayornan di Lago pa protega nan yiuunan contra kinkhoest, tetano, difteria y eayentura typhus door di injeccion pa inmunizacion.

Two Executives Train In U.S.

Electronic computation of mathematical problems are playing a larger part every day in Lago's operations. As a result, two company executives are currently in the United States for training.

Chief Chemical Engineer C. R. Greene and Executive Assistant T. F. Hagerty left Aruba March 2 for the United States to attend the International Business Machine Corporation's week-long course in Electronic Data Processing For Executives.

The course is designed to familiarize executives with the use of such equipment as IBM's Card Program Calculator - which Lago has leased - in solving operating problems through high speed mathematical computations.

LOST - FOUND

FOUND - In the Lago Hospital waiting room, a child's reversible raincoat. Owner may claim at hospital administration office.



Recording Star Plays Aruba

CARIBBEAN recording star Celia Cruz and the Sonora Matancera Band were an outstanding success last month at the Lago and Esso Clubs.

ESTRELLA di ritmo den Caribe Celia Cruz y Conjunto Sonora Matancera a cosecha kopi exito luna pasá na Lago y Esso Club.

Cachónan Ta Contentu

(Continu di pagina 7)

worde mandá paki di cuminda identificá solamente cu number. Dos clase di cuminda ta worde duná na e cachornan cada biahá di come y un record cuidadoso ta worde teni di nan preferencianan como un cheek dobbel ariba Blondie y su otro companjeronan den e eas.

Durante anjanan, e casnan di eacchor a descubri algun hecho tocante eacchor cu no ta generalmente conoci, y cual lo danja tur e resultadonan si no haci cierto reservacion pa nan. Por ehemplo, ta importante pa cambia posicion di e plato di cuminda cada biahá. A worde descubri cu algun eacchor tin e tendencia di come for di robéz pa drechi, y otro for di drechi pa robéz.

Como un cheek ariba testnan, algun eacchor no ta haya ningun elase di variedad den su cuminda. Y, ta interesante, nan no kier e. Pa test e valor actual di un cuminda, tres of mas generacion di eacchor ta worde teni ariba un formula for di dia cu nan nace te dia nan mes cria. Variedad den cos di come ta di poco importancia pa un eacchor, e expertonan ta bisa. Y una vez cu un eacchor acostumbra cu un elase di cuminda ta difícil pa cambie le pa un otro.

En realidad, e medida di un bon cuminda ta su efectividad den nutricion completo di e eacchor door di e cuatro cyclonan - crecimiento, mantenimiento, reproduccion y eriamiento cu lechi - y door di generacionnan subseguente. Tin ehckmento special di doctor pa nan despues di un periodo di ehercicio duro.

Everett M. Lloyd

Everett M. Lloyd, a senior engineer in TSD-Engineering, died March 6 in Lago Colony. He was 56 years old and had more than 11 years of company service. Mr. Lloyd is survived by his wife, two sons and a daughter.



"Sabrina Fair" Stage Hit

THE DRAMATIC WORKSHOP scored a hit with "Sabrina Fair" at the Lago High School Auditorium late last month. Dorothy Joseph (far right) played the lead role of "Sabrina Fairchild." Some of the others in the cast were (left to right) Kamma Jensen as "Aunt Julia," Mrs. G. N. Owen as "Mrs. Larrabee" and N. M. Edes as one of her sons, "David."

DRAMATIC WORKSHOP a score un hit cu "Sabrina Fair" na Lago High School Auditorium na fin di luna pasá. Dorothy Joseph (leuw banda drechi) a hunga e rol principal den "Sabrina Fairchild." Algun otro den e comedia tabata (robez pa drechi) Kamma Jensen como "Aunt Julia," Sra. G. N. Owen como "Sr. Larrabee" y N. M. Edes como un di su yiuunan, "David."